

20-3887 A

REVISIONS		
REV	DESCRIPTION	DATE
A0	RELEASE TO PRODUCTION	1/7/2010

SAFETY STANDARDS COMPLIANCE:
 UL1310, CLASS 2
 LVD EN 60950
 UL48

EMI STANDARDS:
 FCC 47 CFR PART 15 CLASS B
 CE EN55022, EN55011 CLASS B
 EN61000-3-2,3,-4-2,3,4,5,6,8,11

SAFETY CERTIFICATIONS
 CUL E234571
 UL E234571
 CUL E249377
 UL E249377
 FCC F930527A04
 CE CE930527A04
 IP IP930102

SAFETY

INPUT RANGE: AC 115/230V, Full Range.
 100 - 277 VAC, 0.3 A @ FULL LOAD.

FREQUENCY: 50 - 60 Hz. **POWER FACTOR:** > 0.92

EFFICIENCY: 82 % Typ. **LEAKAGE CURRENT:**

PEAK INRUSH: < 0.75mA @ 230VAC
 10 AMPS @ 115V AC
 20 AMPS @ 230V AC

INPUT

LOAD CAPACITY: 20 WATTS

OUTPUT	MIN	MAX	LOAD REG
300mA	18.0 VOLTS	36.0 VOLTS	+5%/-5% 0mV p/p

OUTPUT

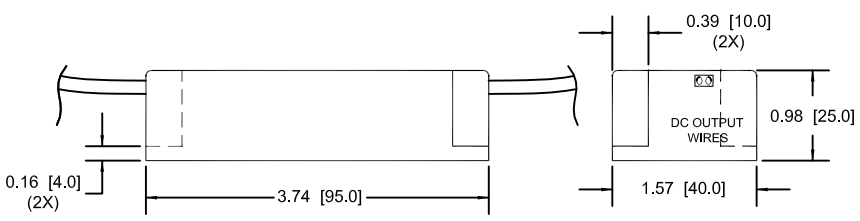
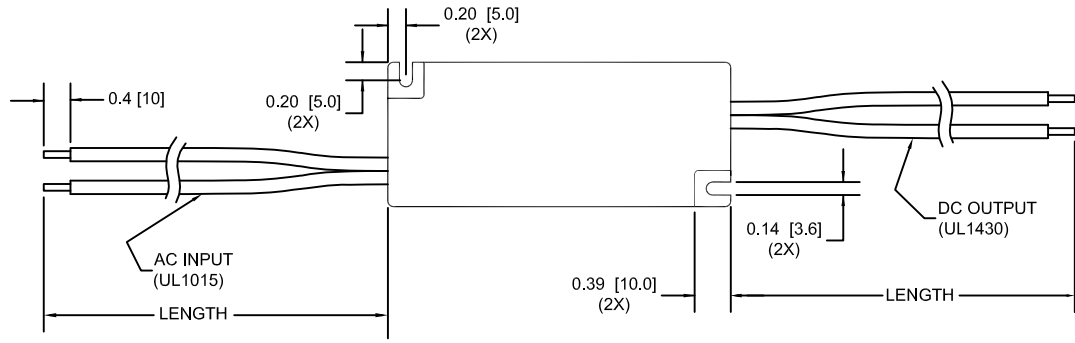
COOLING: CONVECTION **PROTECTION:**
 NOISE LEVEL: 0 dB OVP,OCP,SCP
 AUTO-RECOVERY

RELIABILITY (MTBF): (MIL-HDBK-217E)
 100,000 HRS. @ 25 DEG. C @ FULL LOAD

ENVIRONMENTAL CONDITIONS:
 OPERATING TEMPERATURE: -30 ~ 70°C
 RELATIVE HUMIDITY: 5 ~ 95%
 LOCATION: DRY OR DAMP

CONNECTOR:

MISCELLANEOUS



CON	PIN	COLOR	OUTPUT	AWG	LENGTH
AC	—	BLACK	LINE	18	6.0 [152]
IN	—	WHITE	NEUTRAL	18	
DC	—	PURPLE	+V	18	+0.5 [+13]
OUT	—	BLACK	GND	18	-0.0 [-0]

NOTES:
 TEMP DE-RATING 1% PER °C FROM 60°C TO 70°C

MANUFACTURED BY: HIGH PERFECTION TECHNOLOGY CO., LTD.

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UNLESS OTHERWISE SPECIFIED	APPROVAL DATE	1/7/2010
DIMENSIONS IN INCHES (MM)	EFFECTIVE DATE	1/7/2010
TOLERANCES: .X DECIMALS± .05 [1.3] .XX DECIMALS± .02 [0.5] .XXX DECIMALS± .005 [0.13] ANGLES± 1° FRACTIONS± 1/16	CHECKED BY	
DO NOT SCALE THIS DRAWING	APPROVED BY	
INTERPRET DRAWING PER ANSI Y14.5M		

MAGTECH

TITLE:
 LP1020-36-C0300, STD 277VAC, 300mA CC, 18~36V

MODEL NO. LP1020-36-C0300	DWG NO. M20-3887	REV. A0	SH OF 1 1
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